IN THE CLAIMS:

Please amend the Claims as follows:

11. (Currently amended) A superconducting machine comprising:

a superconductive device;

a vacuum enclosure containing and thermally insulating said superconductive device;

a cold-trap configured to condense gases generated within said vacuum enclosure;

a primary coolant circulation system adapted to force flow of a primary cryogen to and from said superconductive device, wherein said primary coolant circulation system comprises a primary cooling line configured to cool said superconducting device;

a primary cryogenic cooling system configured to cool the primary cryogen in said primary coolant circulation system upstream of said superconductive device;

a secondary coolant circulation system adapted to force flow of a secondary cryogen to and from said cold-trap, wherein said secondary coolant circulation system comprises a secondary cooling line configured to cool said cold-trap, wherein said secondary coolant circulation system does not supply the secondary cryogen to said primary coolant circulation system, and wherein an inlet temperature of said secondary cooling line is below about the triple point for Hydrogen; and

a secondary cryogenic cooling system configured to cool the secondary cryogen in said secondary coolant circulation system upstream of said cold-trap.

12-13. (Cancelled)

14. The superconducting machine of Claim 11, further comprising a rotor core, wherein said superconductive device comprises at least one superconducting coil extending around said rotor core.

15. The superconducting machine of Claim 14, wherein said superconducting coil comprises a high-temperature superconducting coil.